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TITLE: Oil filter cartridge for vehicle engine oil or gearbox sump - is located on seal carrying mounting of integrated filtering unit, safety valve located in return flow filter unit and toroidal magnet placed around suction side filter contours

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PRIORITY-DATA: 1997DE-1035444 (August 16, 1997), 1997DE-1025514 (June 17, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
FR 2764636 A1	December 18, 1998		019	F01M011/03
DE 19735444 C2	April 15, 1999		000	F01M011/03
DE 19735444 A1	January 7, 1999		000	F01M011/03

INT-CL (IPC) : B01 D 29/05; F01 M 11/03; F02 F 7/00

ABSTRACTED-PUB-NO: FR 2764636A

BASIC-ABSTRACT:

The cartridge has an integrated filtering unit for filtering the suction side (114) or the return flow side (101) is located on a seal carrying mounting (103). The filtering unit of the return side is separate from the seal carrying mounting and mounted by a sealed support (104). A safety valve (102) is placed in the return flow side filter unit.

A filtering element (105) is placed on the seal carrying mounting. Contours of the suction side filter (106) for the outlet oil (109) are provided on the seal carrying mounting. A toroidal magnet (110) is placed around the contours of the suction side filter.

ADVANTAGE - The oil filter can be housed inside the engine compartment and has a large filtering surface.